



Express Mail No. EV 366 597 905 US

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number 10/092,158

Filing Date March 5, 2002

First Named Inventor Wies et al.

Art Unit 2142

Examiner Name

Geckil, Mehmet Technology Center 2100

Attorney Docket Number IMM062C

RECEIVED

JUN 17 2004

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
M.G.	1	5,880,731	3/9/1999	Liles, et al.	
	2	5,907,677	5/25/1999	Glenn, et al.	
	3	5,933,599	8/3/1999	Nolan	
	4	5,956,484	9/21/1999	Rosenberg, et al.	
	5	6,076,100	6/13/2000	Coltrille, et al.	
	6	6,101,530	8/8/2000	Rosenberg, et al.	
	7	6,154,773	11/28/2000	Roberts, et al.	
	8	6,166,732	12/26/2000	Mitchell, et al.	
	9	6,219,045	4/17/2001	Leahy, et al.	
	10	6,249,806	6/19/2001	Kohda, et al.	
	11	6,256,663	7/3/2001	Davis	
	12	6,281,651	8/28/2001	Haanpaa, et al.	
	13	6,342,880	1/29/2002	Rosenberg, et al.	
	14	6,347,307	2/12/2002	Sandhu, et al.	
	15	6,349,301	2/19/2002	Mitchell, et al.	
	16	6,396,509	5/28/2002	Cheng	
	17	6,429,846	8/6/2002	Rosenberg, et al.	
	18	6,442,590	8/27/2002	Inala, et al.	
	19	6,539,218	3/25/2003	Higuchi, et al.	
	20	6,563,487	5/13/2003	Martin, et al.	
	21	6,678,720	1/13/2004	Matsumoto, et al.	
	22	6,693,626	2/17/2004	Rosenberg	
M.G.	23	09/153,781	9/16/1998	Rosenberg, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	Mehmet Geckil	Date Considered	7/9/04
-----------------------	---------------	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

BEST AVAILABLE COPY



Express Mail No. EV 366 597 905 US

PTO/SB/08b(08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of 2

Complete if Known

Application Number	10/092,158
Filing Date	March 5, 2002
First Named Inventor	Wies et al.
Art Unit	2142
Examiner Name	Geckil, Mehmet B.
Attorney Docket Number	IMM062C

RECEIVED

JUN 17 2004

Technology Center 2100

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M.G.	24	MANIA, Katerina, et al., A Classification for User Embodiment in Collaborative Virtual Environments; www.cs.bris.ac.uk/Tools/Reports/Abstracts/1998 - mania.html printed 6/9/2004	
	25	BOUGUILA, Laroussi, et al., Effect of Coupling Haptics and Stereopsis on Depth in Virtual Environment, pp. 54-62; www.dcs.gla.ac.uk/~stephen/workshops/haptic/papers/bougilia-paper.pdf printed 6/9/2004	
	26	Real Time Graphics, Vol 7, No. 2; Computer Graphics Systems Development Corp., August 1998, pp. 1-20; www.cgsd.com/rtgAug98.pdf printed 6/9/2004	
	27	BENFORD, Steve, et al., eRENA - Deliverable 7b.1 Pushing Mixed Reality Boundaries, February 1999; www.nada.kth.se/rena/pdf/D7b_1.pdf printed 6/9/2004	
	28	PAO, Lucy, et al., Synergistic Visual/Haptic Computer Interfaces, May 1998, pp. 155-162; schof.colorado.edu/~pao/anonftp/Vietnam.ps printed 6/9/2004	
	29	MCLAUGHLIN, Margaret, et al., The USC Interactive Art Museum: Removing the Barriers between Museums and their Constituencies; http://ascusc.org/jcmc/paperforica.html printed 7/22/2003	
M.G.	30	Virtual Reality (VR) Development at SERI (Korea), pp. 1-9, 1998; www.atip.org/public/atip.reports.98/atip98.059r.html printed 6/9/2004	

Examiner
Signature*Mehmet Geckil*Date
Considered

7/9/04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.